

عنوان مقاله:

Success Evaluation of Pulpotomy in Primary Molars with Enamel Matrix Derivative: a Pilot Study

محل انتشار:

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خلاصه مقاله:

Aim: To investigate the effect of Emdogain gel (EMD) in pulpotomized primary molars and its clinical and radiographic outcomes. **Methods and Materials:** In this study, 18 lower second primary molars of nine children were treated by pulpotomy. The teeth were randomly assigned to the EMD (experimental) and Formocresol (control) groups in each patient (split mouth). Following removal of the coronal pulp and haemostasis, the pulp stumps were covered with Emdogain gel in the experimental group followed by application of resin-modified glass ionomer cement over the gel. In the control group, Formocresol (FC) was placed with a cotton pellet over the pulp stumps. Lastly, the teeth in both groups were restored with stainless steel crowns. **Results:** Nine children referred with clinical failure before/at two months follow up. The radiographic evaluation revealed furcation involvement and extensive radicular radiolucency in molars treated with Emdogain gel. **Conclusion:** The present study showed the failure of enamel matrix derivative in pulpotomy of primary molars; therefore, we do not recommend using Emdogain as a pulpotomy agent for treatment of cariously exposed primary teeth

کلمات کلیدی:

Primary molars, Pulpotomy, Emdogain gel, Children

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